

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081170.D
 Acq On : 23 Feb 2024 19:45
 Operator : JC\MD
 Sample : PB159217TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159217TB

Quant Time: Feb 23 22:04:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

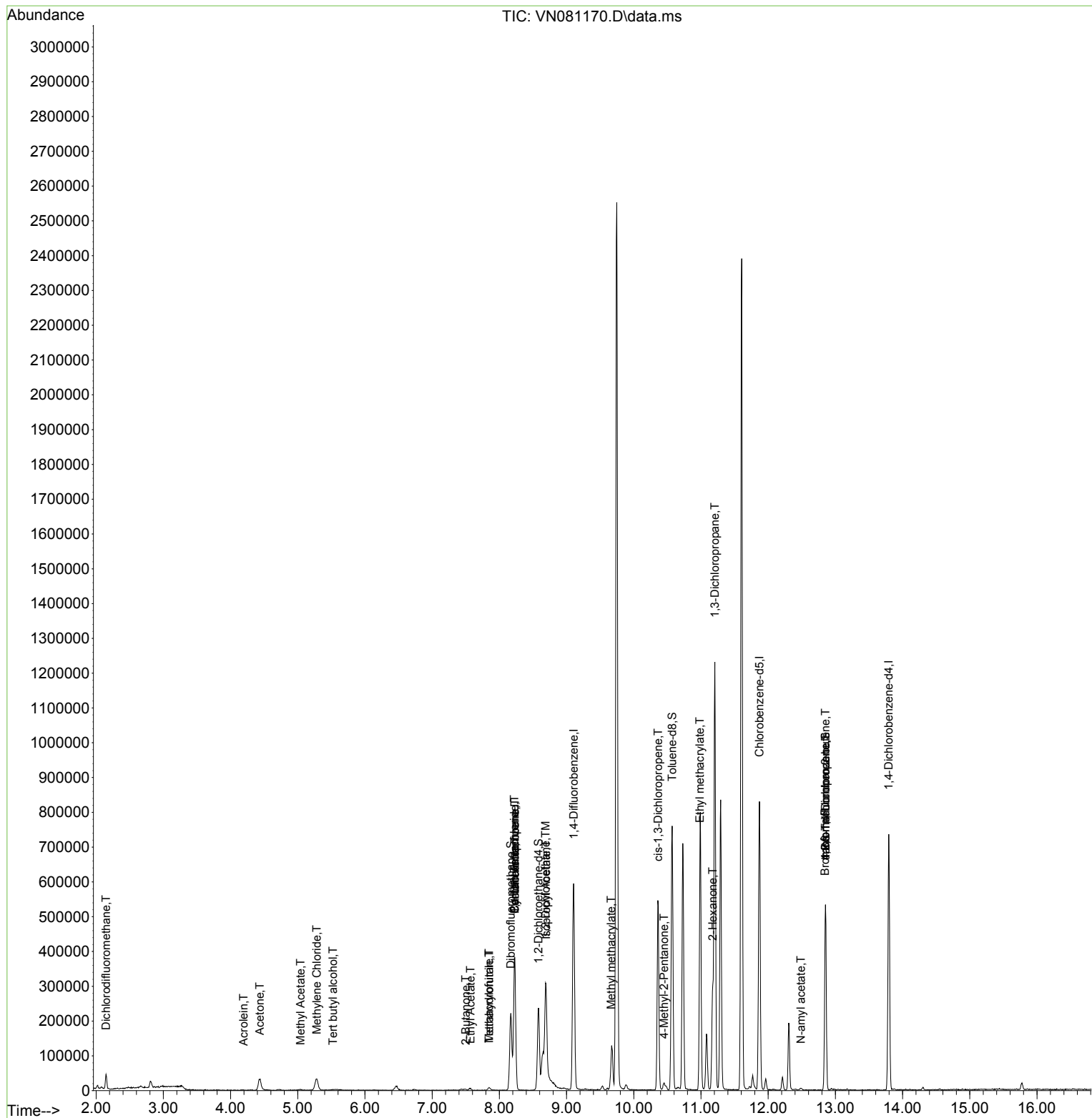
Internal Standards						
1) Pentafluorobenzene	8.230	168	266381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	513995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	470160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	186864	57.231	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	=	114.460%	
35) Dibromofluoromethane	8.171	113	156731	53.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	107.840%	
50) Toluene-d8	10.571	98	516978	50.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	=	100.160%	
62) 4-Bromofluorobenzene	12.853	95	186520	48.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	96.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	929	0.270	ug/l	97
3) Chloromethane	2.359	50	797	Below Cal	#	43
6) Chloroethane	3.095	64	435	Below Cal	#	42
11) Tert butyl alcohol	5.524	59	608	1.013	ug/l #	72
13) Acrolein	4.195	56	1007	3.129	ug/l	96
16) Acetone	4.436	43	62214	48.425	ug/l	90
18) Methyl Acetate	5.042	43	4336	1.384	ug/l #	90
20) Methylene Chloride	5.283	84	26576	7.200	ug/l	90
25) 2-Butanone	7.500	43	6495	3.129	ug/l	97
29) Tetrahydrofuran	7.847	42	5936	4.284	ug/l #	88
31) Cyclohexane	8.230	56	7779	1.380	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	23145	4.648	ug/l #	51
37) Ethyl Acetate	7.571	43	7573	1.685	ug/l #	95
38) Carbon Tetrachloride	8.224	117	29477	5.851	ug/l #	19
41) Methacrylonitrile	7.847	41	3690	1.443	ug/l #	49
42) 1,2-Dichloroethane	8.688	62	2417	0.481	ug/l #	75
43) Isopropyl Acetate	8.694	43	464453	59.093	ug/l #	80
48) Methyl methacrylate	9.665	41	8773	2.399	ug/l #	42
49) 1,4-Dioxane	9.700	88	161	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.453	43	13849	3.063	ug/l	99
54) cis-1,3-Dichloropropene	10.365	75	97878	16.386	ug/l #	60
56) Ethyl methacrylate	10.982	69	2643	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	13187	2.173	ug/l #	43
59) 2-Hexanone	11.176	43	247501	69.048	ug/l #	26
71) Bromoform	12.847	173	1120	0.483	ug/l #	1
74) N-amyl acetate	12.488	43	2999	0.442	ug/l #	52
76) 1,2,3-Trichloropropane	12.853	75	101160	24.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101160	62.423	ug/l #	14

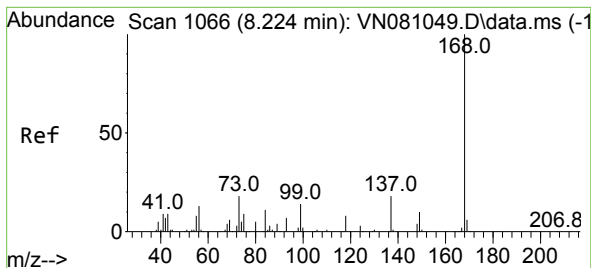
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

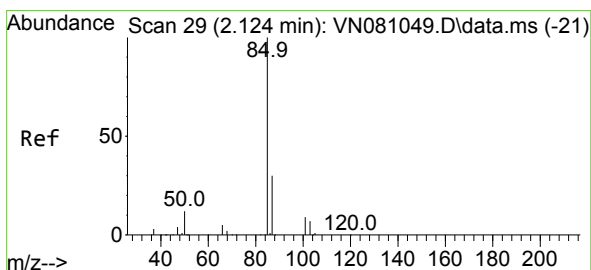
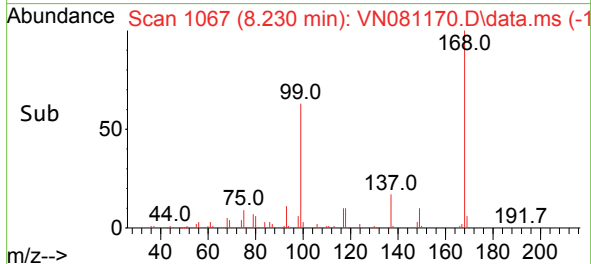
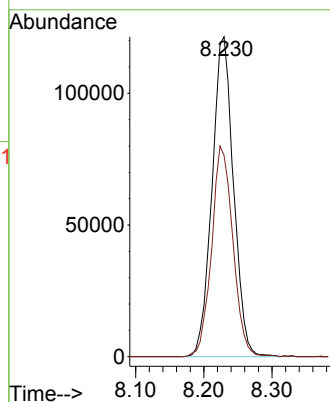
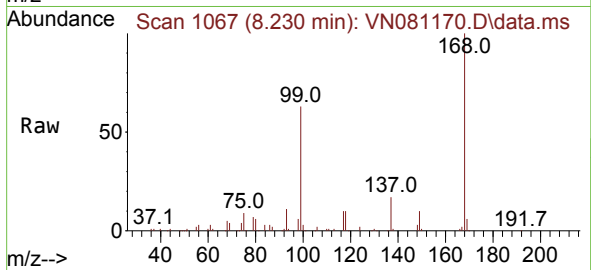
PB159217TB

Tgt Ion:168 Resp: 266381

Ion Ratio Lower Upper

168 100

99 62.9 59.9 89.9



#2

Dichlorodifluoromethane

Concen: 0.270 ug/l

RT: 2.148 min Scan# 33

Delta R.T. 0.023 min

Lab File: VN081170.D

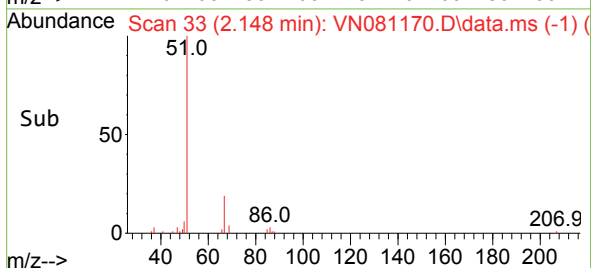
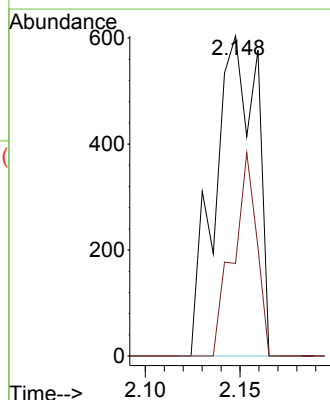
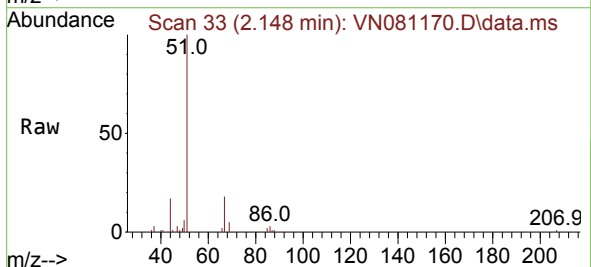
Acq: 23 Feb 2024 19:45

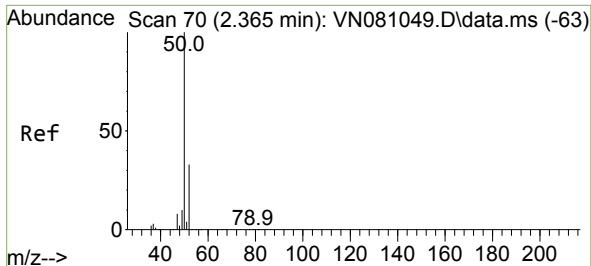
Tgt Ion: 85 Resp: 929

Ion Ratio Lower Upper

85 100

87 29.0 15.3 45.9

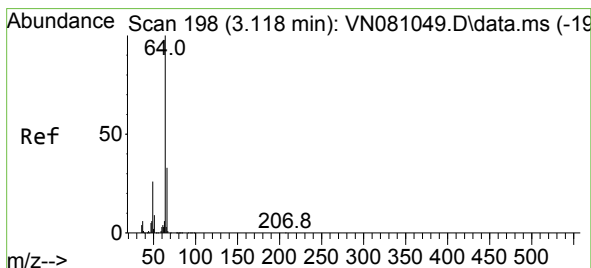
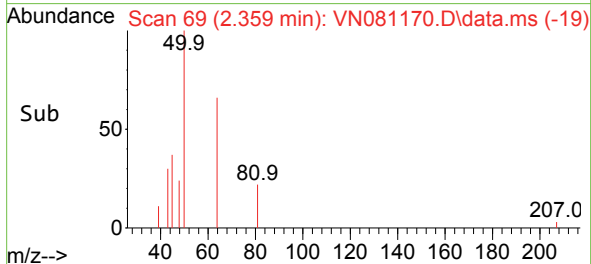
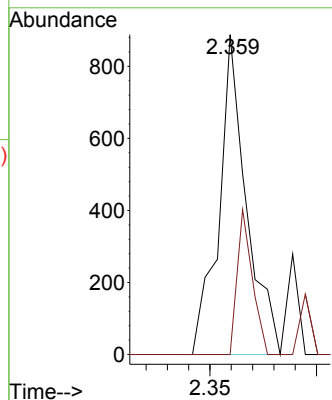
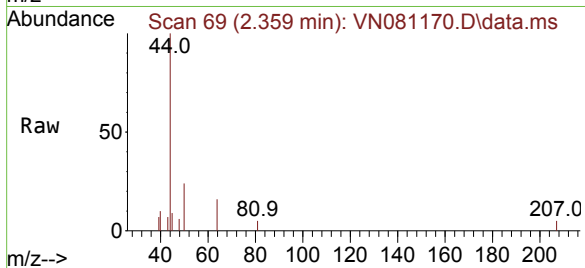




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

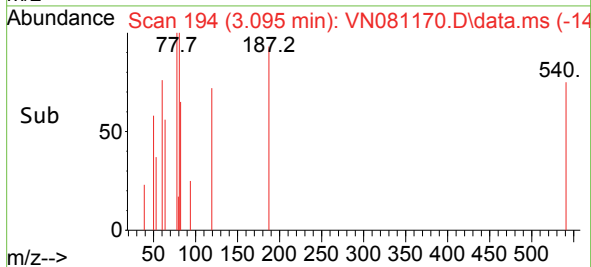
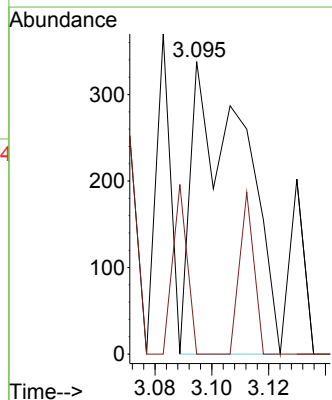
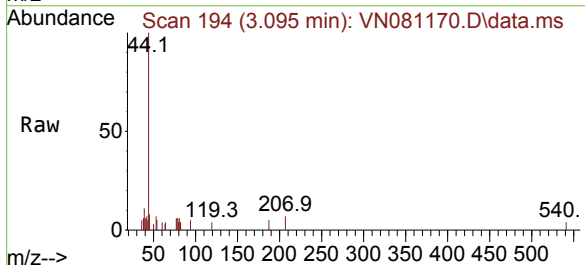
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

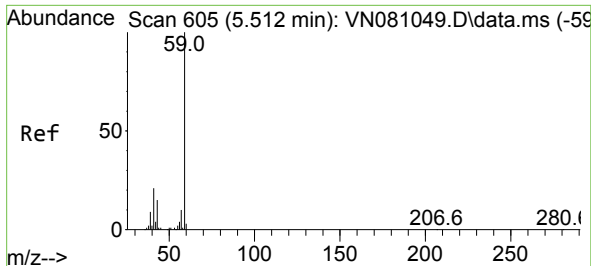
Tgt Ion: 50 Resp: 797
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 64 Resp: 435
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#11

Tert butyl alcohol

Concen: 1.013 ug/l

RT: 5.524 min Scan# 60

Delta R.T. 0.012 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

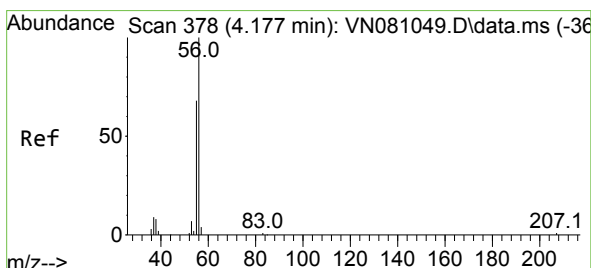
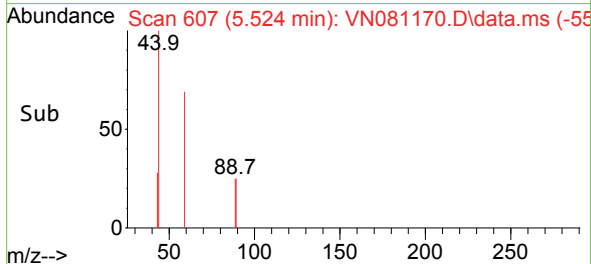
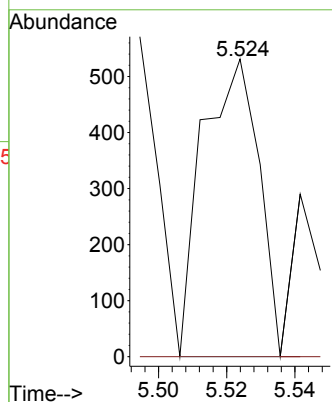
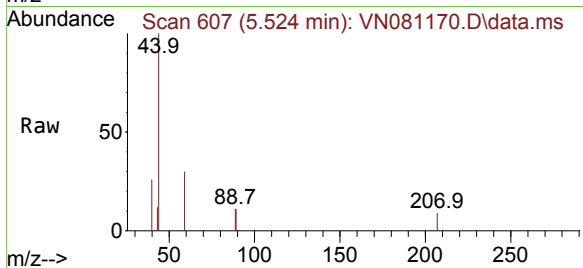
PB159217TB

Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 3.129 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN081170.D

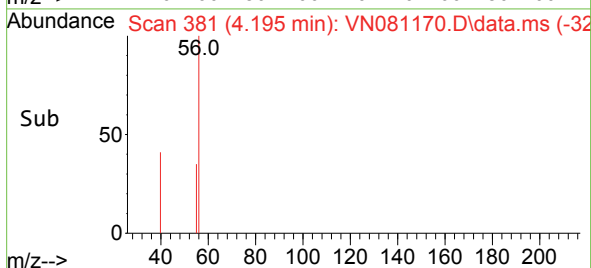
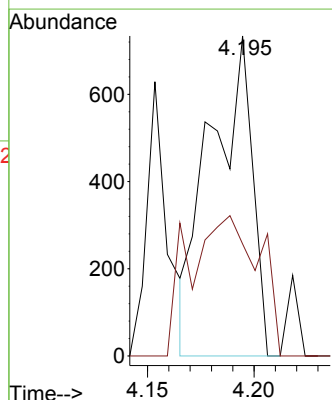
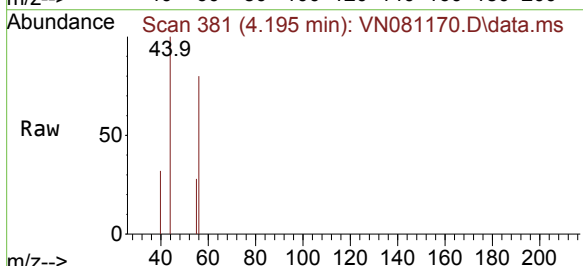
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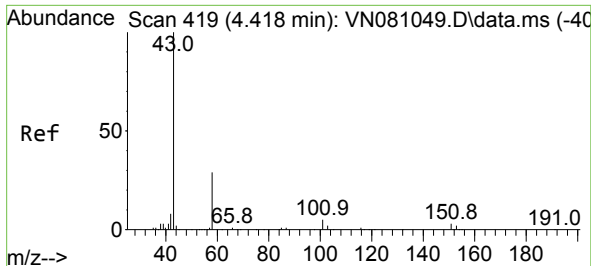
Tgt Ion: 56 Resp: 1007

Ion Ratio Lower Upper

56 100

55 72.7 55.3 82.9

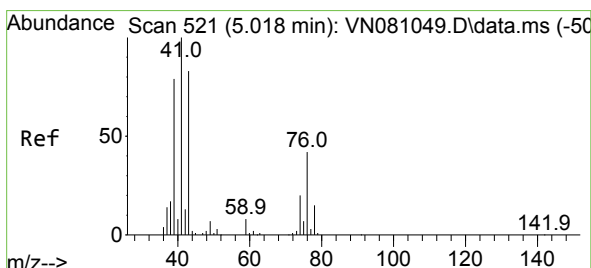
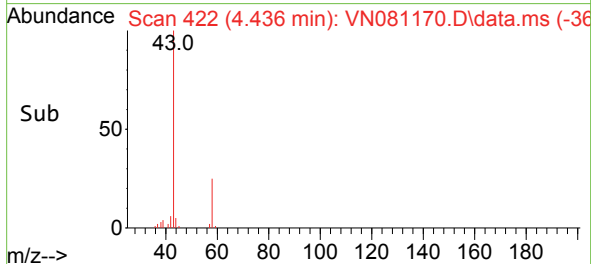
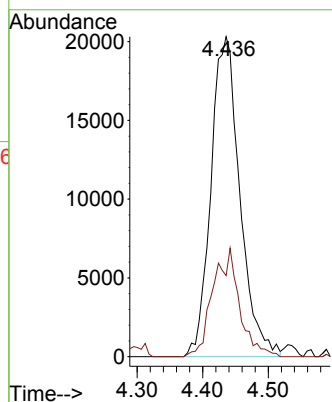
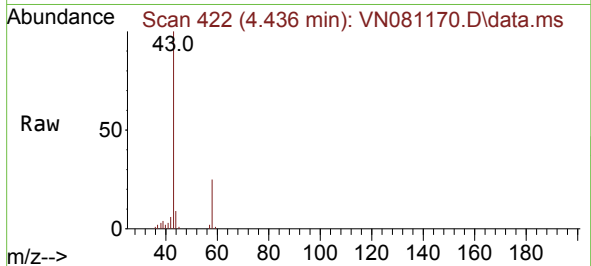




#16
Acetone
Concen: 48.425 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

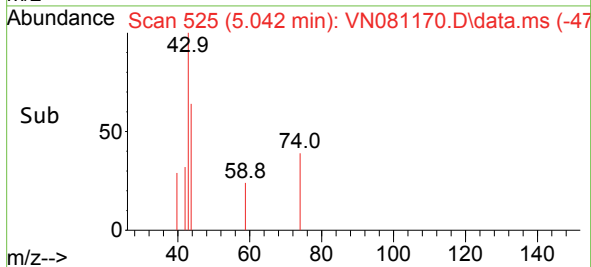
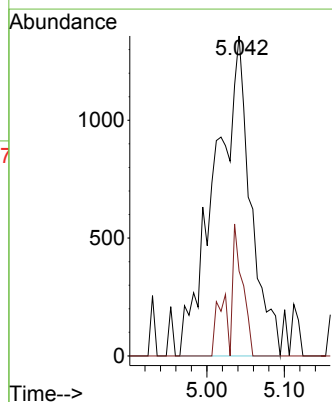
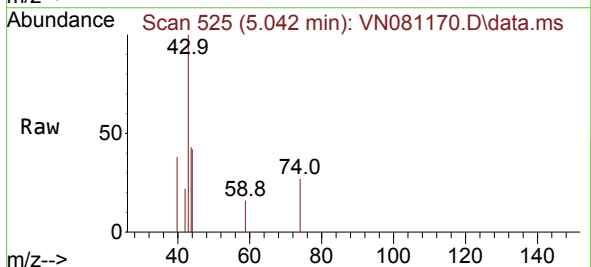
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

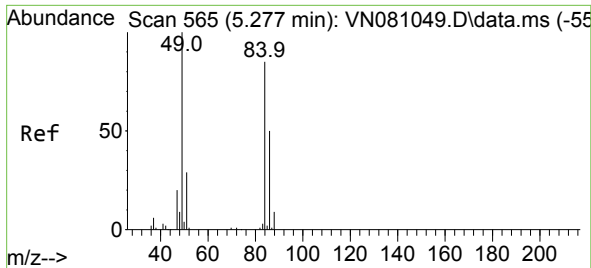
Tgt Ion: 43 Resp: 62214
Ion Ratio Lower Upper
43 100
58 25.3 24.8 37.2



#18
Methyl Acetate
Concen: 1.384 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 43 Resp: 4336
Ion Ratio Lower Upper
43 100
74 16.8 17.3 25.9#

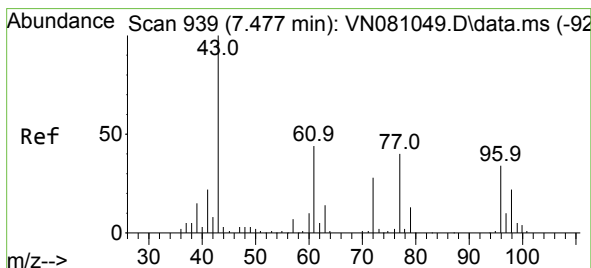
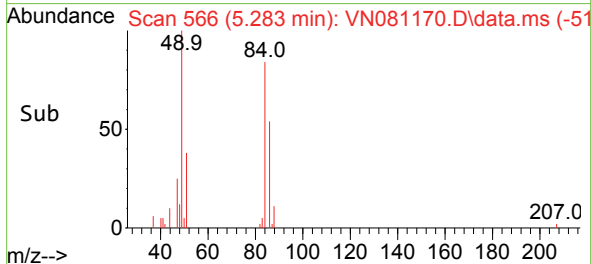
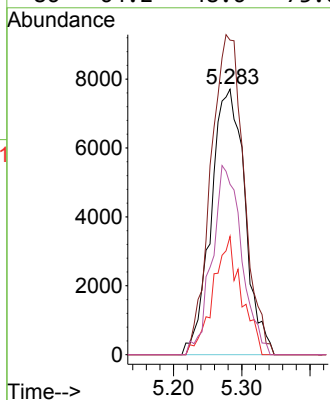
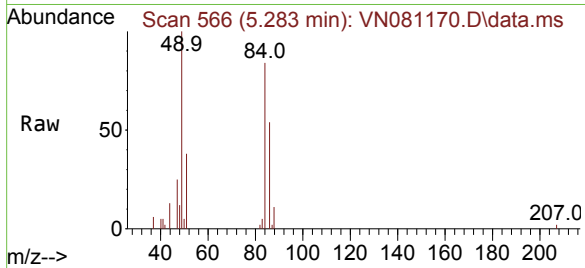




#20
Methylene Chloride
Concen: 7.200 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

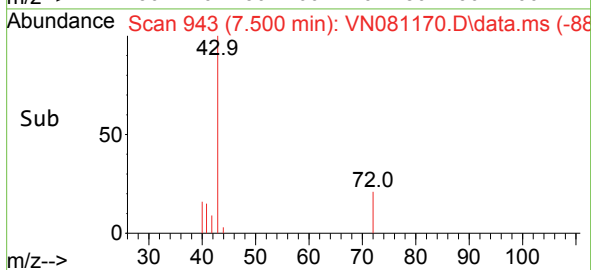
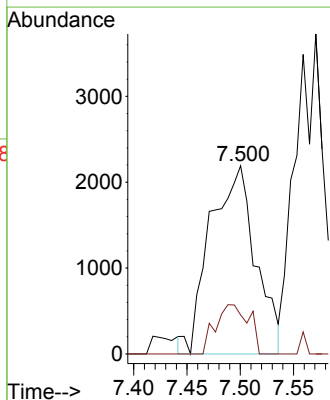
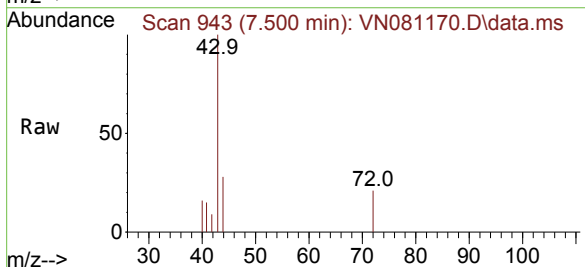
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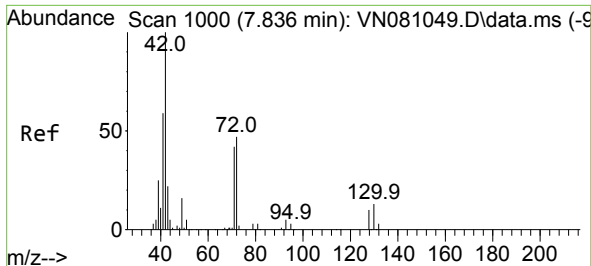
Tgt Ion: 84 Resp: 26576
Ion Ratio Lower Upper
84 100
49 118.5 108.1 162.1
51 44.5 32.9 49.3
86 64.2 48.6 73.0



#25
2-Butanone
Concen: 3.129 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.023 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 43 Resp: 6495
Ion Ratio Lower Upper
43 100
72 22.9 19.5 29.3

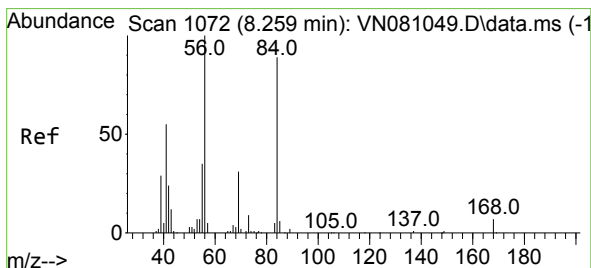
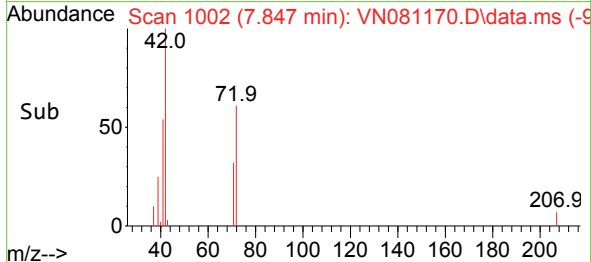
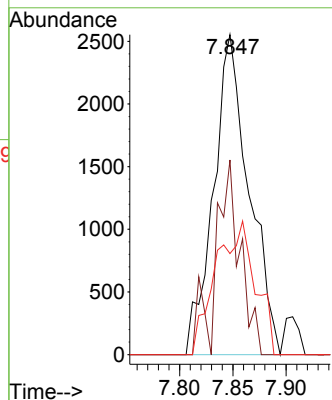
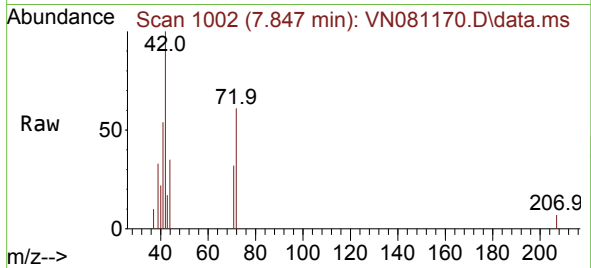




#29
Tetrahydrofuran
Concen: 4.284 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

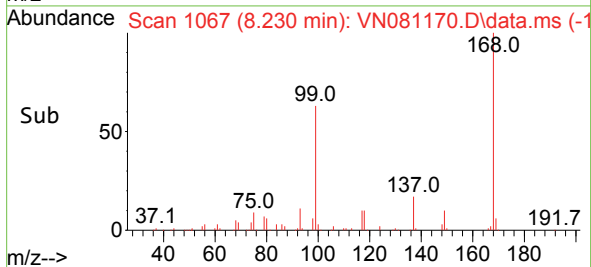
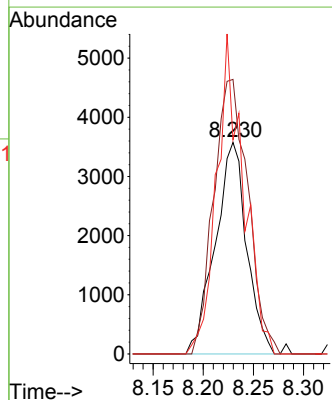
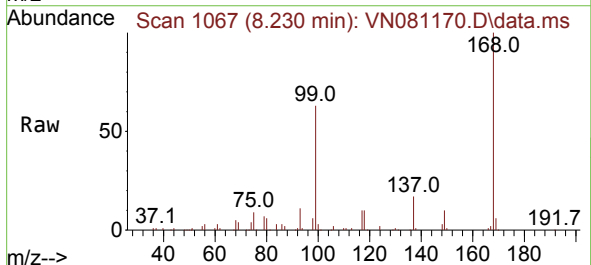
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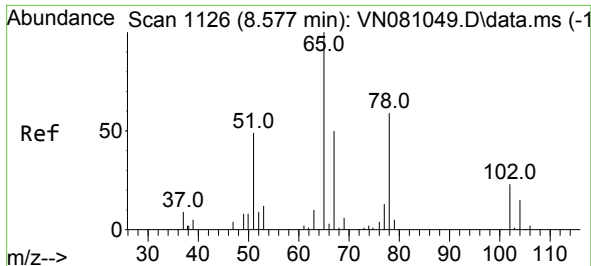
Tgt Ion: 42 Resp: 5936
Ion Ratio Lower Upper
42 100
72 41.8 31.1 46.7
71 46.6 28.3 42.5#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 56 Resp: 7779
Ion Ratio Lower Upper
56 100
69 129.8 20.1 30.1#
84 101.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 57.231 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

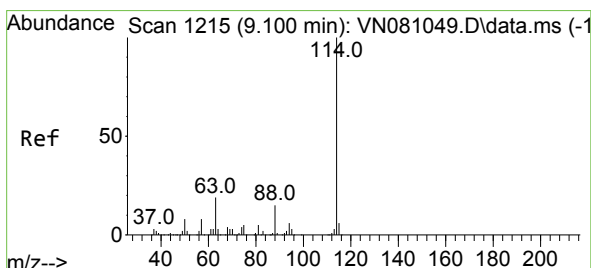
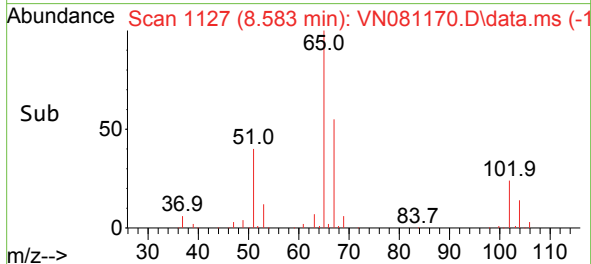
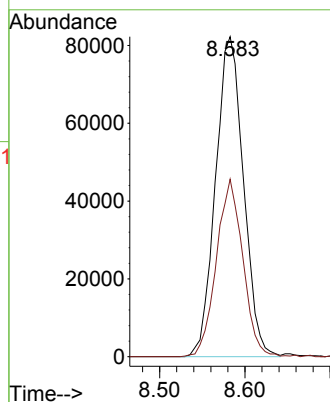
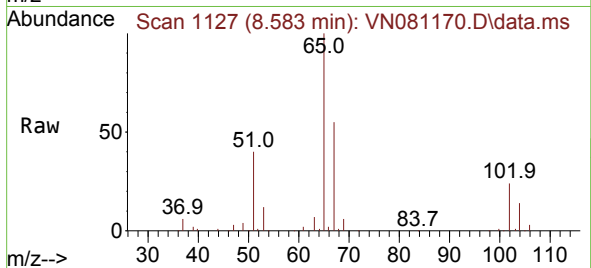
PB159217TB

Tgt Ion: 65 Resp: 186864

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

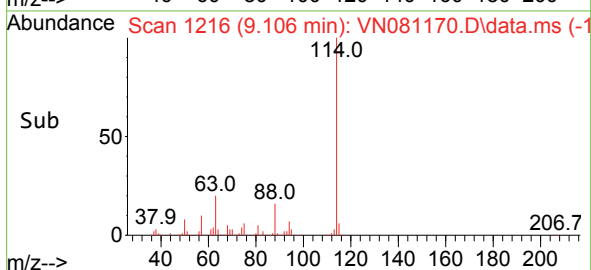
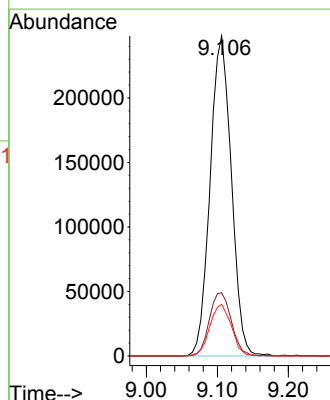
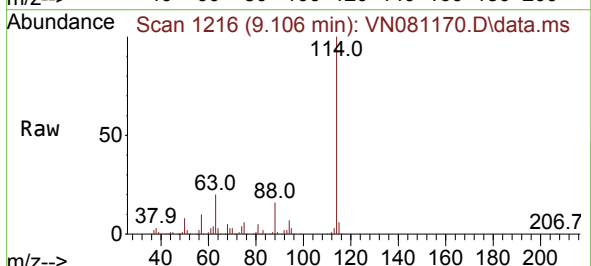
Tgt Ion: 114 Resp: 513995

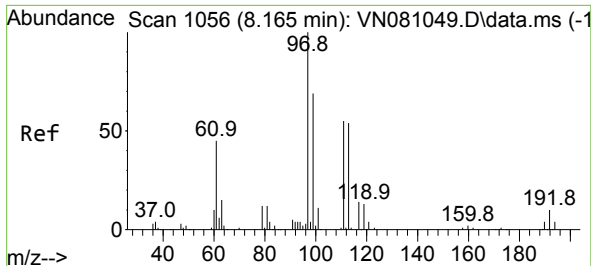
Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

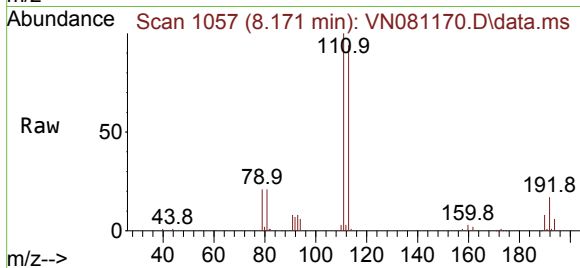
88 16.1 0.0 34.8



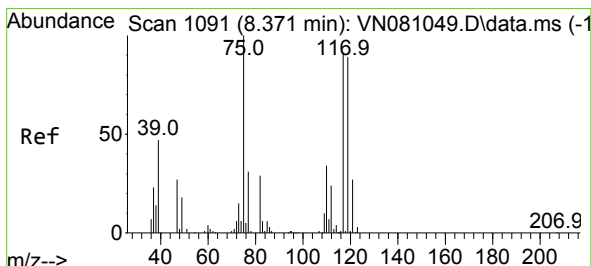
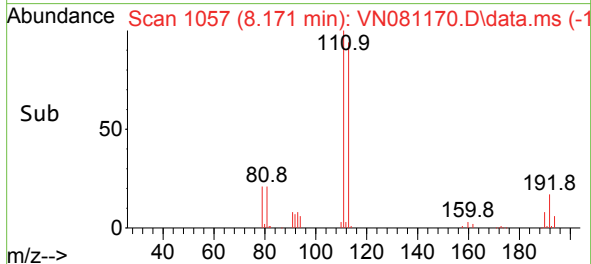
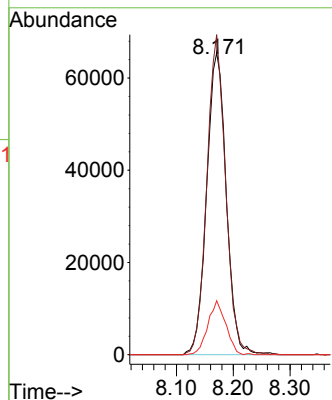


#35
Dibromofluoromethane
Concen: 53.925 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

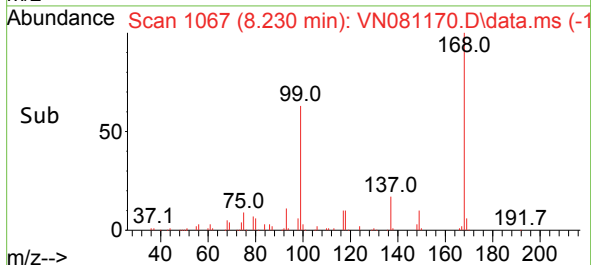
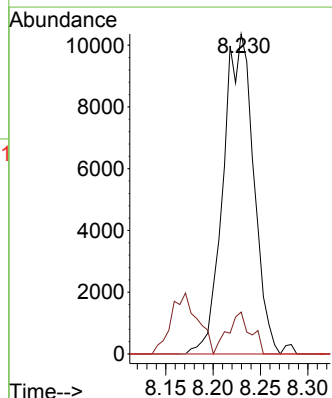
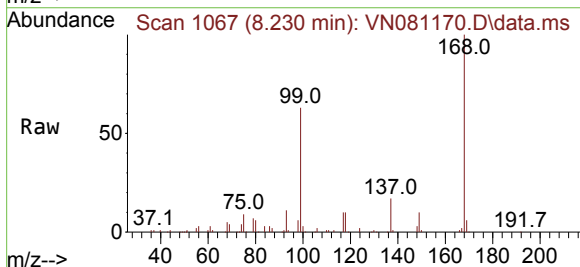


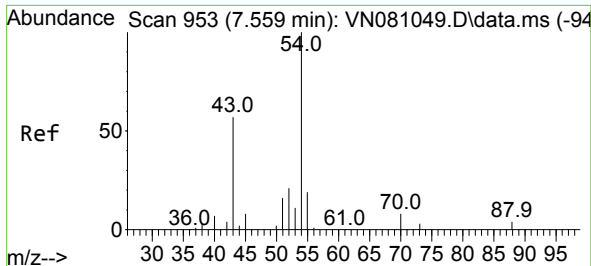
Tgt Ion:113 Resp: 156731
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 75 Resp: 23145
Ion Ratio Lower Upper
75 100
110 9.8 16.0 48.0#
77 0.0 25.8 38.6#

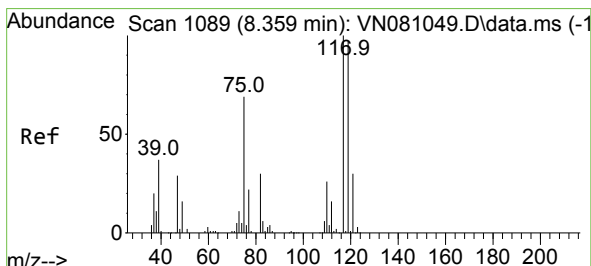
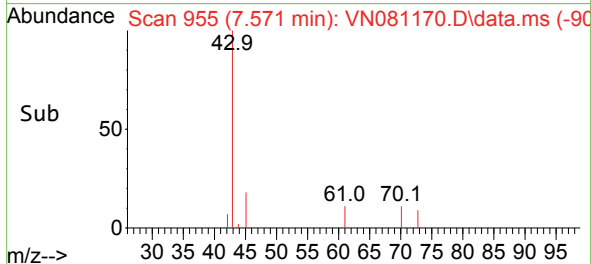
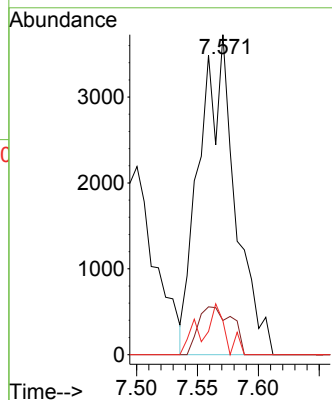
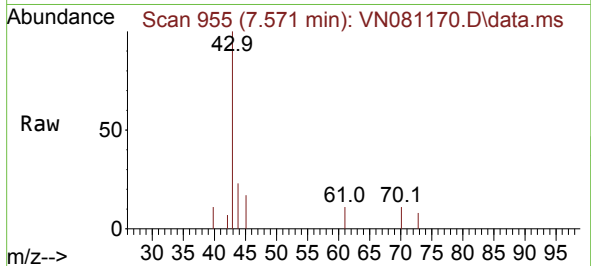




#37
Ethyl Acetate
Concen: 1.685 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

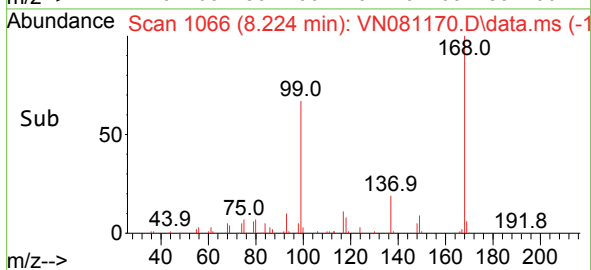
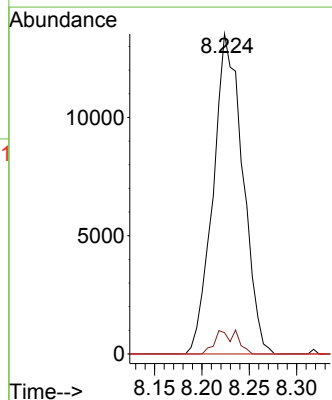
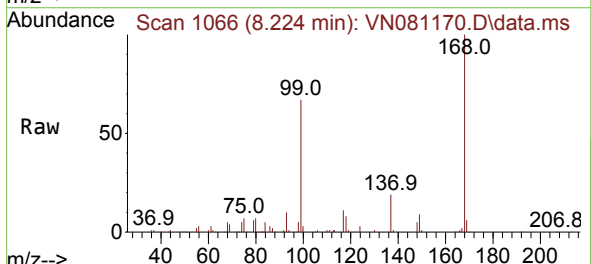
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

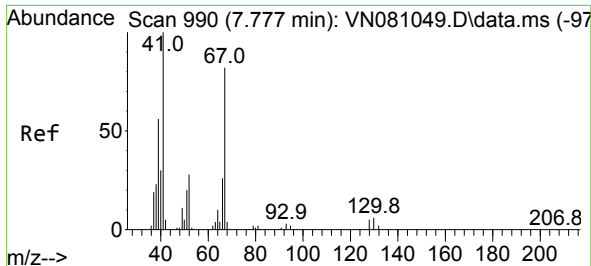
Tgt Ion: 43 Resp: 7573
Ion Ratio Lower Upper
43 100
61 14.1 10.6 15.8
70 7.1 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 117 Resp: 29477
Ion Ratio Lower Upper
117 100
119 6.7 73.4 110.2#
121 0.0 24.4 36.6#

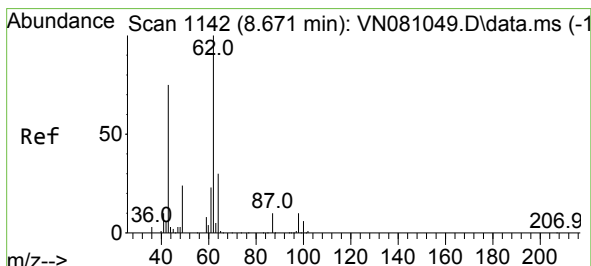
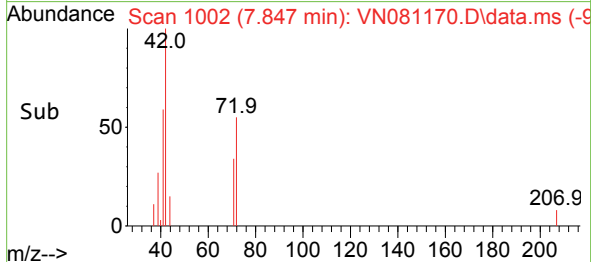
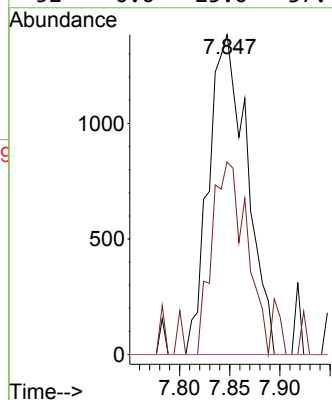
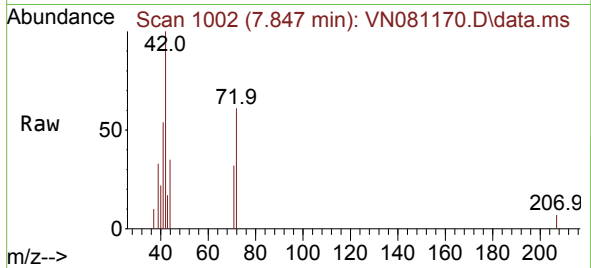




#41
Methacrylonitrile
Concen: 1.443 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

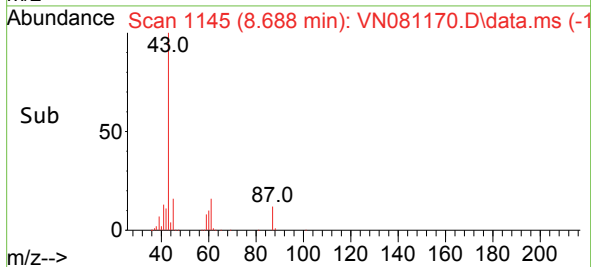
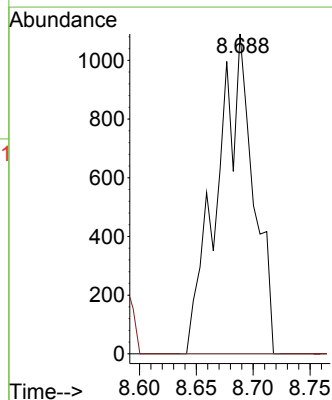
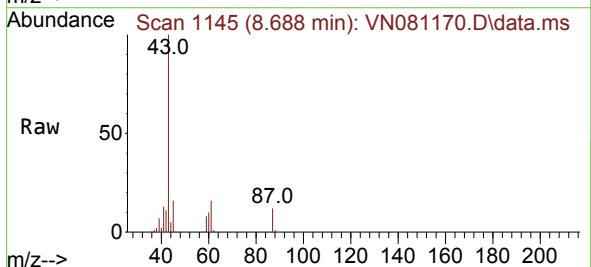
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

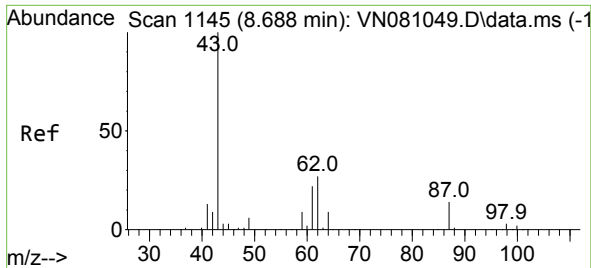
Tgt Ion: 41	Resp:	3690
Ion Ratio	Lower	Upper
41	100	
39	54.6	48.4 72.6
67	0.0	56.8 85.2#
52	0.0	25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.481 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 62	Resp:	2417
Ion Ratio	Lower	Upper
62	100	
98	0.0	0.0 18.0

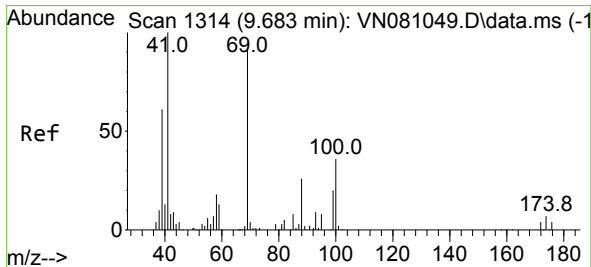
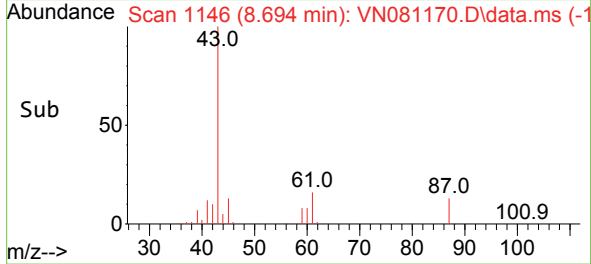
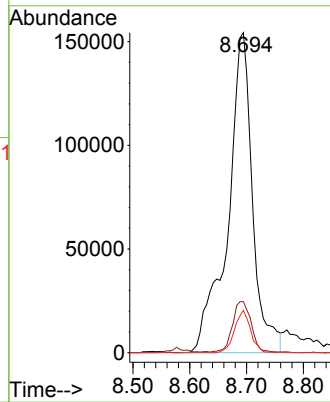
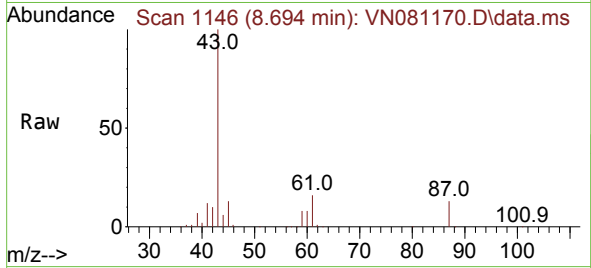




#43
Isopropyl Acetate
Concen: 59.093 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

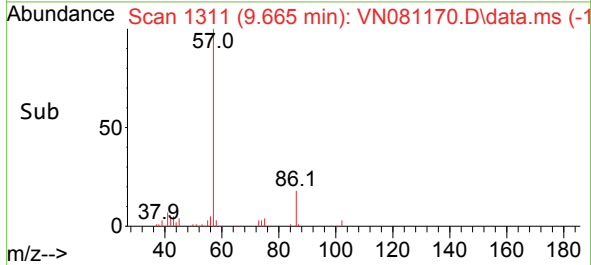
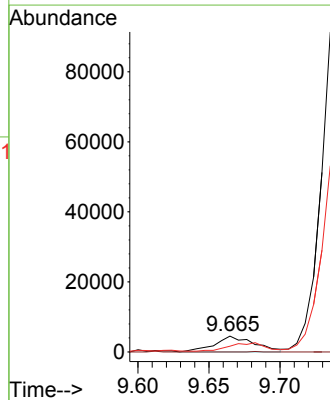
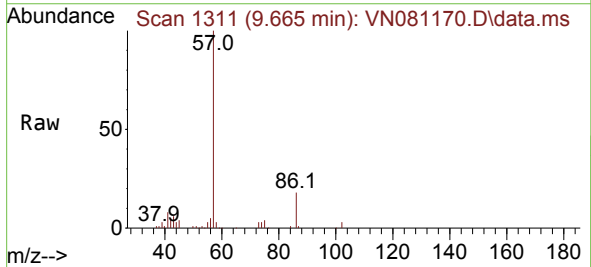
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

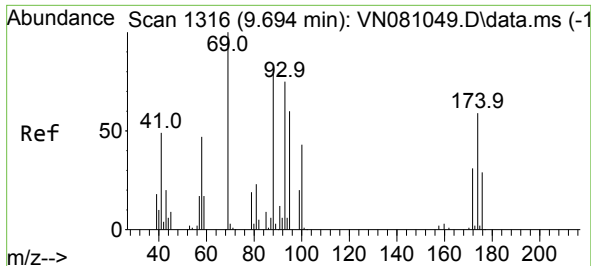
Tgt Ion: 43 Resp: 464453
Ion Ratio Lower Upper
43 100
61 12.0 19.9 29.9#
87 8.6 9.0 13.6#



#48
Methyl methacrylate
Concen: 2.399 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 41 Resp: 8773
Ion Ratio Lower Upper
41 100
69 0.6 62.2 93.2#
39 46.1 47.6 71.4#

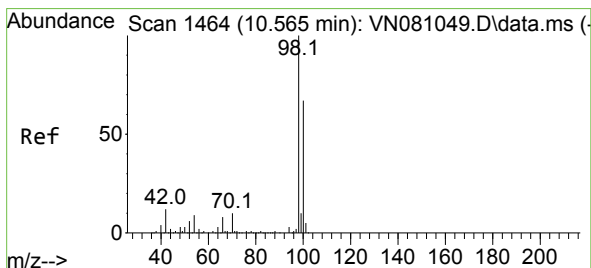
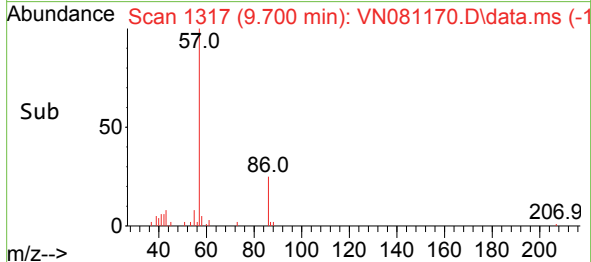
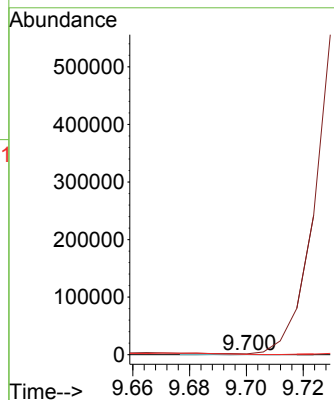
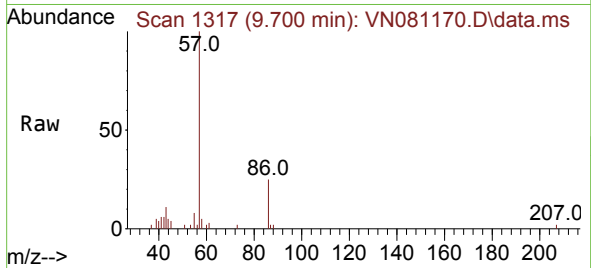




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.700 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

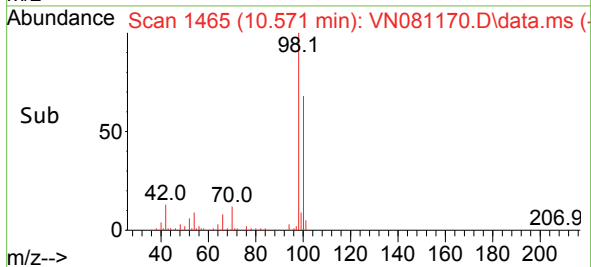
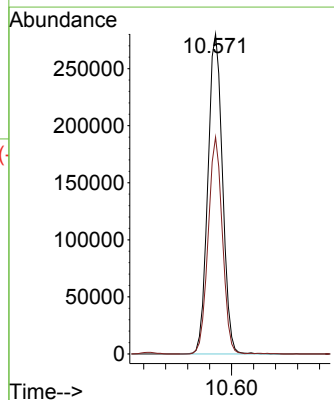
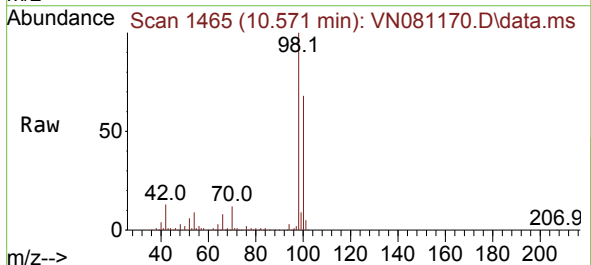
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

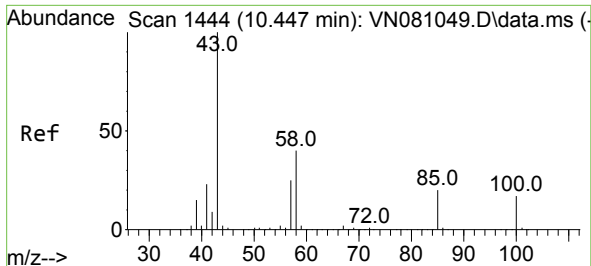
Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 3872.7 63.9 95.9#



#50
Toluene-d8
Concen: 50.080 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 98 Resp: 516978
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 3.063 ug/l

RT: 10.453 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

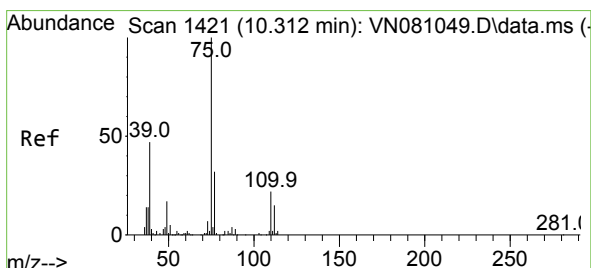
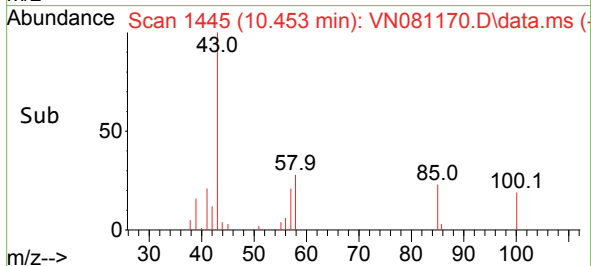
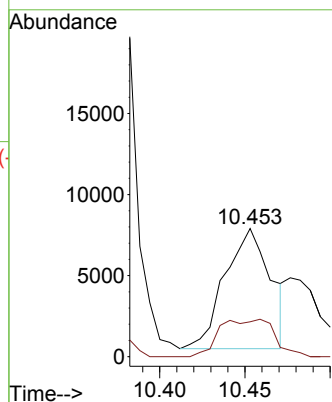
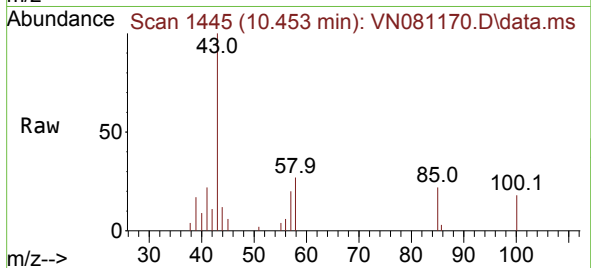
PB159217TB

Tgt Ion: 43 Resp: 13849

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.0



#54

cis-1,3-Dichloropropene

Concen: 16.386 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.053 min

Lab File: VN081170.D

Acq: 23 Feb 2024 19:45

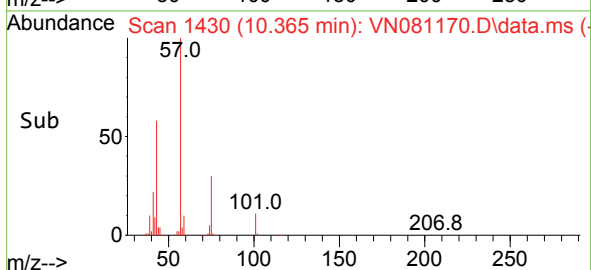
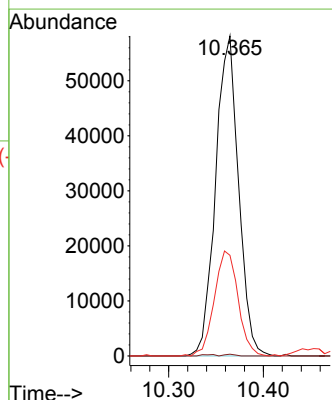
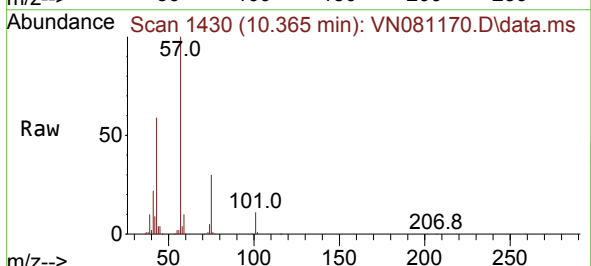
Tgt Ion: 75 Resp: 97878

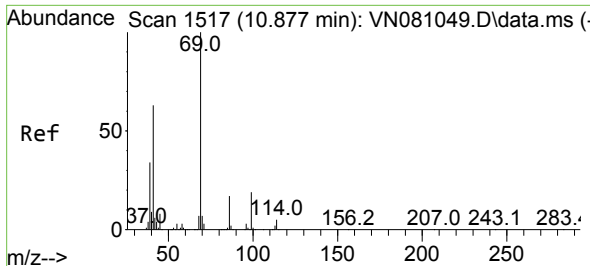
Ion Ratio Lower Upper

75 100

77 0.5 23.3 34.9#

39 31.5 44.6 66.8#

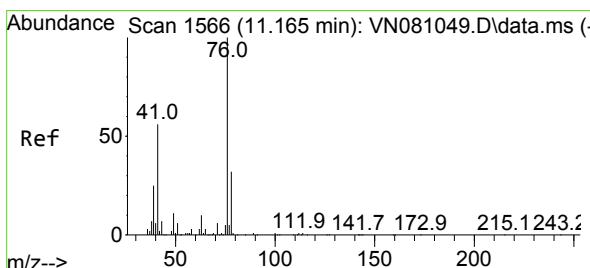
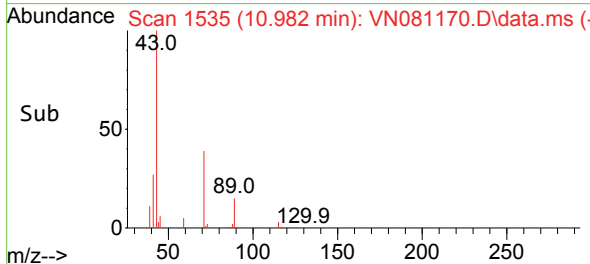
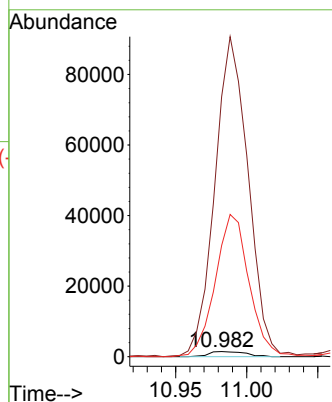
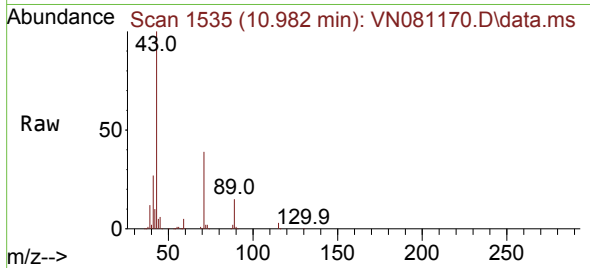




#56
Ethyl methacrylate
Concen: 0.493 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

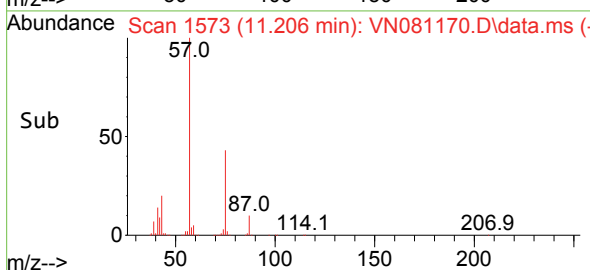
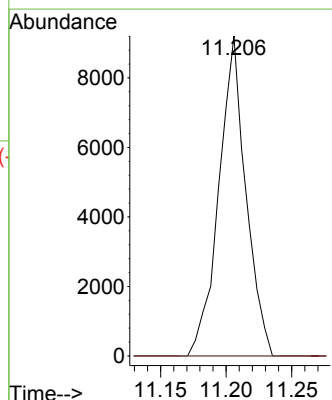
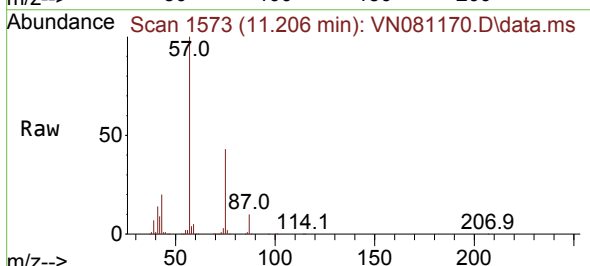
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

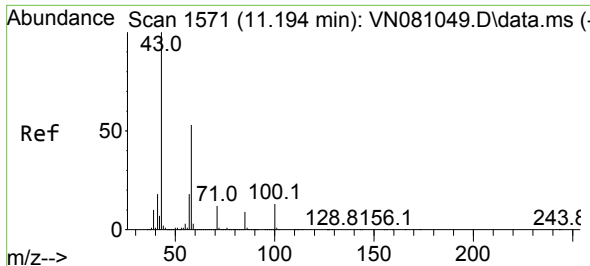
Tgt Ion: 69 Resp: 2643
Ion Ratio Lower Upper
69 100
41 5607.8 61.0 91.6#
39 2532.3 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 2.173 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 76 Resp: 13187
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

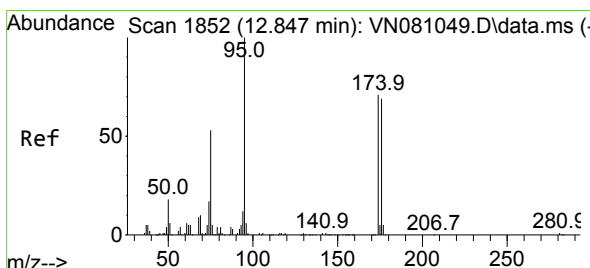
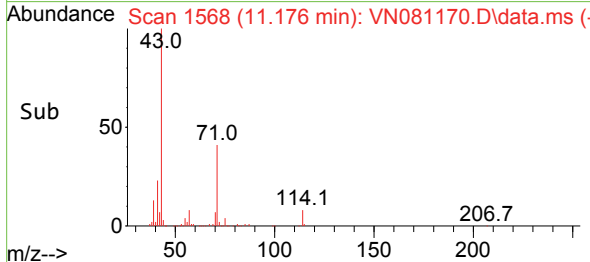
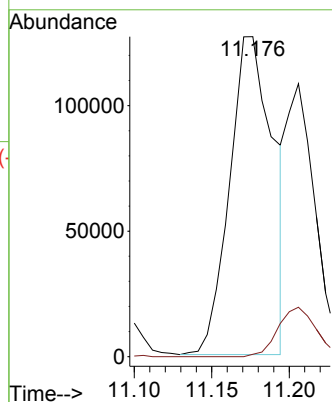
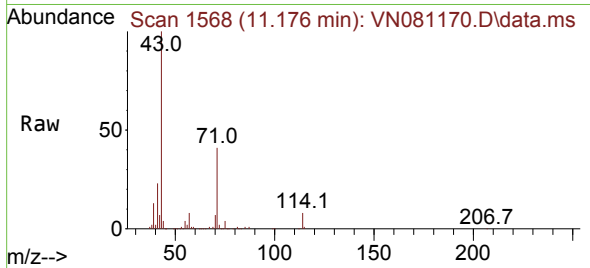




#59
2-Hexanone
Concen: 69.048 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.018 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

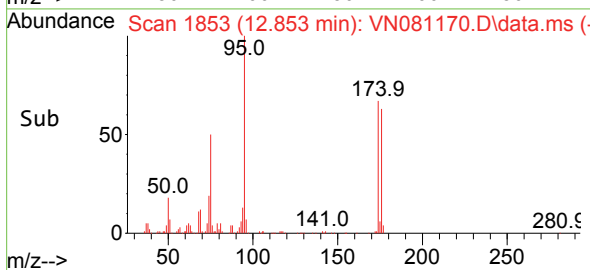
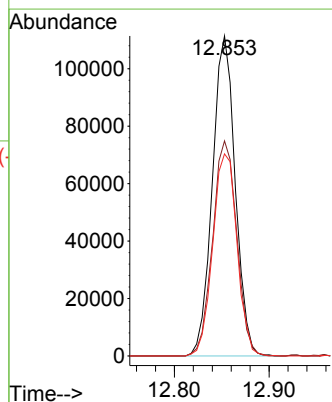
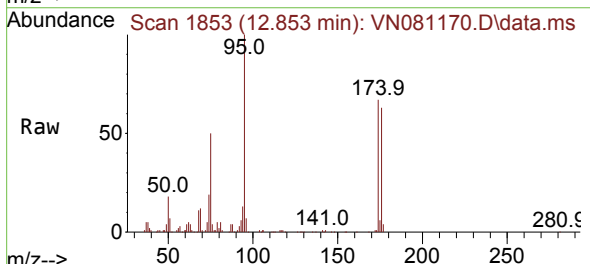
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

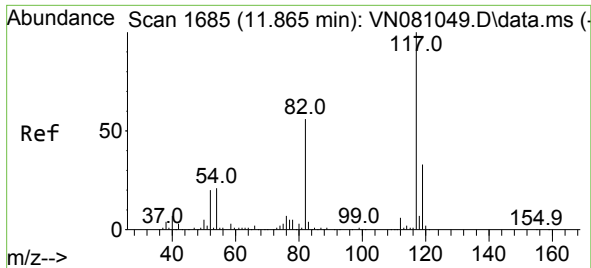
Tgt Ion: 43 Resp: 247501
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 48.086 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 95 Resp: 186520
Ion Ratio Lower Upper
95 100
174 71.1 0.0 120.4
176 67.1 0.0 121.0

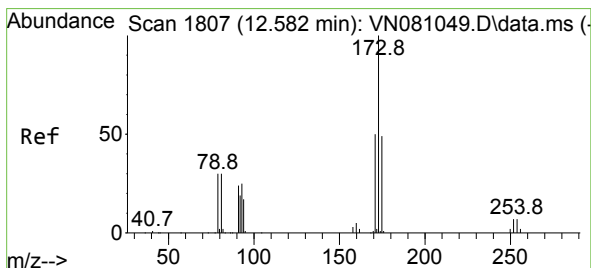
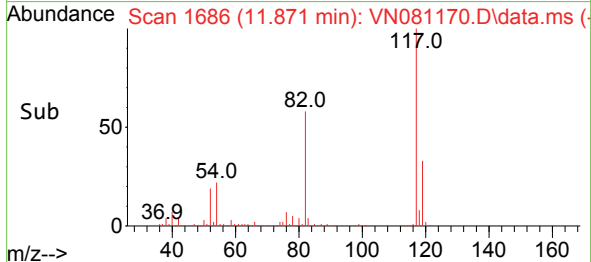
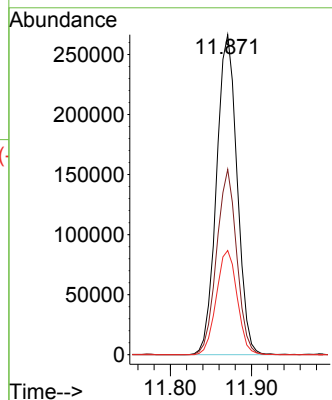
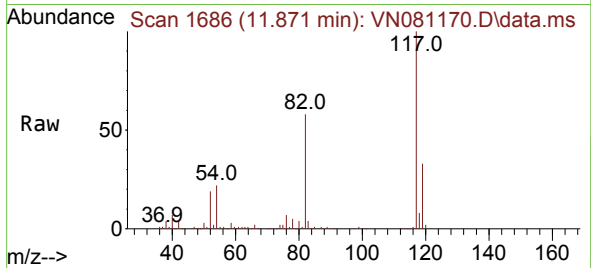




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

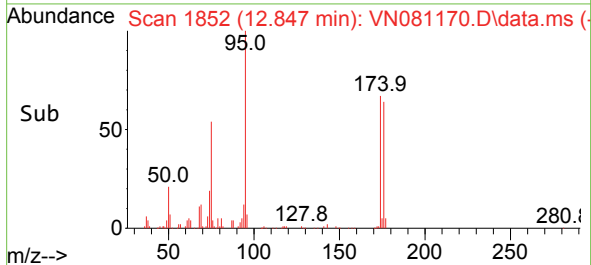
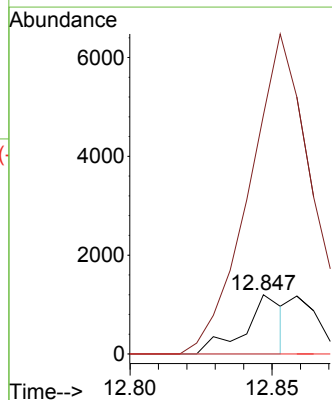
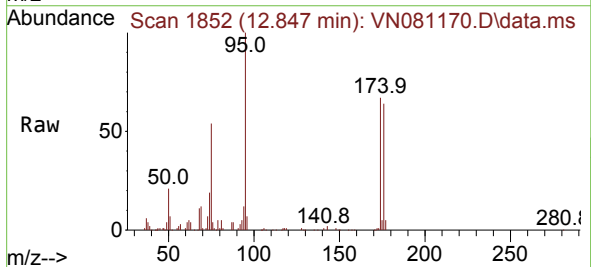
Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

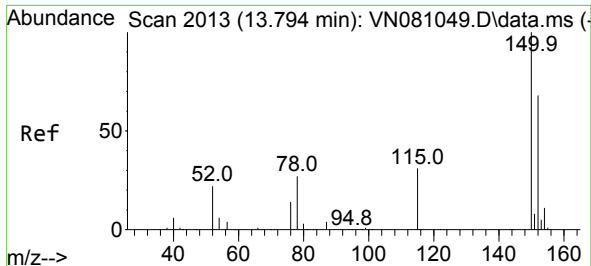
Tgt Ion:117 Resp: 470160
Ion Ratio Lower Upper
117 100
82 57.9 52.7 79.1
119 32.6 25.3 37.9



#71
Bromoform
Concen: 0.483 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion:173 Resp: 1120
Ion Ratio Lower Upper
173 100
175 703.5 23.1 69.2#
254 0.0 0.0 0.0

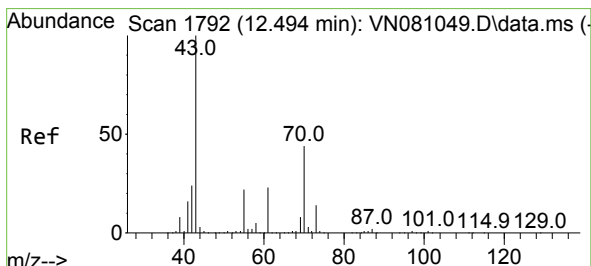
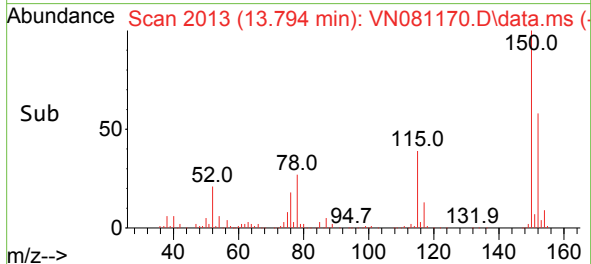
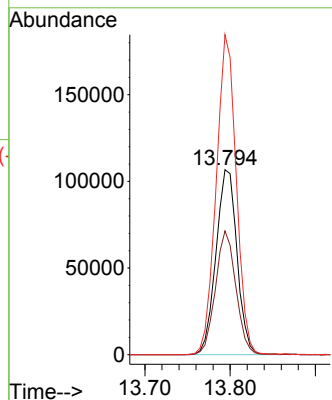
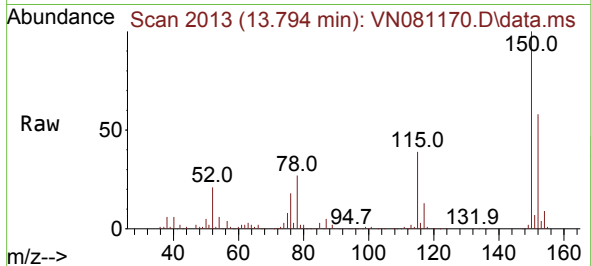




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081170.D
 Acq: 23 Feb 2024 19:45

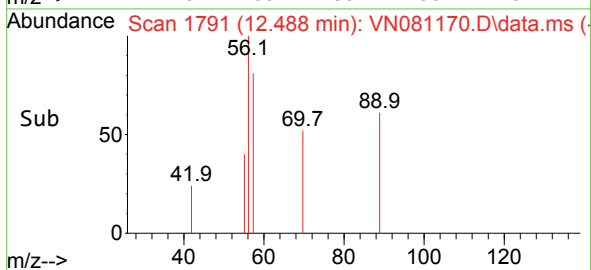
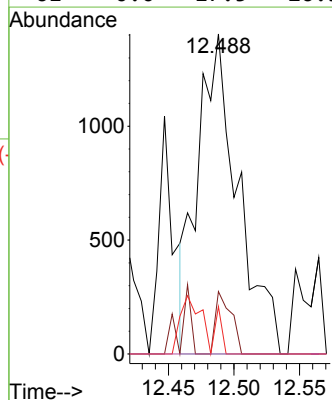
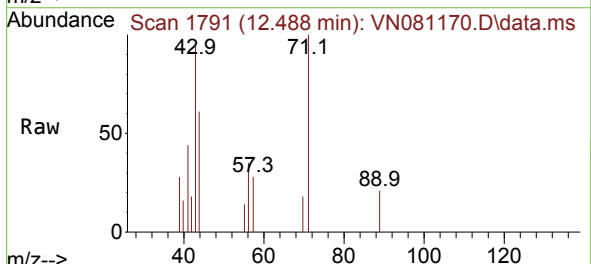
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159217TB

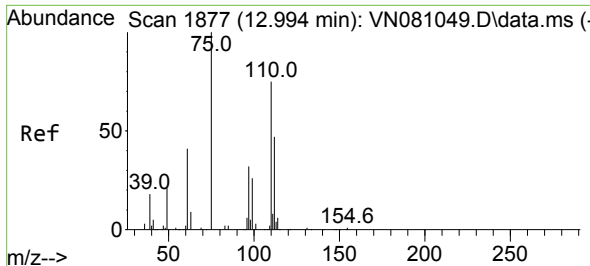
Tgt Ion:152 Resp: 183584
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.3 96.8
 150 165.0 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.442 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN081170.D
 Acq: 23 Feb 2024 19:45

Tgt Ion: 43 Resp: 2999
 Ion Ratio Lower Upper
 43 100
 70 7.6 30.1 45.1#
 55 0.0 17.0 25.4#
 61 0.0 17.5 26.3#

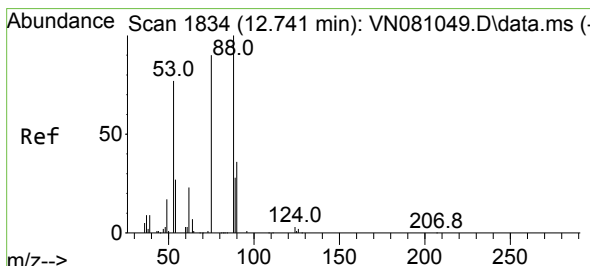
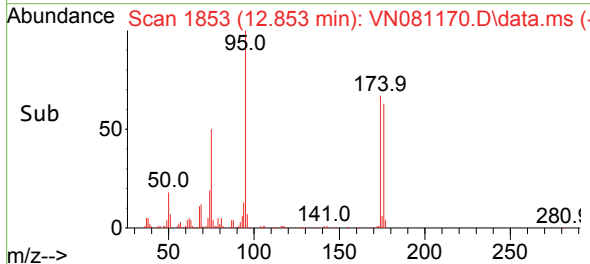
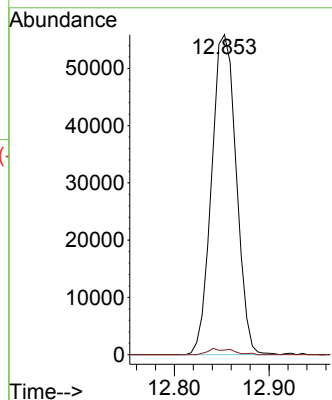
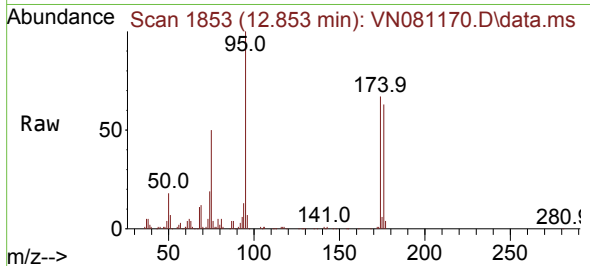




#76
1,2,3-Trichloropropane
Concen: 24.252 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :
PB159217TB

Tgt Ion: 75 Resp: 101160
Ion Ratio Lower Upper
75 100
77 1.9 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.423 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081170.D
Acq: 23 Feb 2024 19:45

Tgt Ion: 75 Resp: 101160
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.2 33.4 50.0#

